## **Listing of Claims**

The listing of the claims will replace all prior versions, and listings, of claims in the application.

Please amend the claims as follows:

14. (Presently Amended) A method of combusting a propellant within a port having a gas stream flowing through the port, comprising the steps of:

flowing the a gas stream through the port; and

combusting said propellant and gas, wherein said propellant consists essentially of a mixture of one or more paraffin waxes, and carbon black at a concentration in the range of about 0.2 to 2.0 weight percent. , under heat transfer from the gas stream flowing though the port, forms a liquid layer with surface tension  $\sigma$  and liquid viscosity  $\mu_{\perp}$  values that promote entrainment of droplets from said liquid layer into said gas stream flowing in said port, and said propellant has an a onset value, where a onset is the entrainment onset parameter and is given by:

$$\frac{\text{a}_{\text{onset}} = 1.05 \times 10^{-2} \left[ \rho \text{ g}^{1.3} / \rho_{1}^{-0.3} \right] \left[ 1 / (0.03 \text{ C}_{B1})^{0.8} \right] (1 / \mu_{g}) \sigma \mu_{1}^{-0.6};}$$

where  $\rho_g$  is the average density of the gas stream in the port,  $\rho_l$  is the average density of the propellant in the liquid layer,  $C_{B1}$  is the blowing correction coefficient and is given by:

$$C_{B1} = (2/2 + 1.25 B 0.75)$$

where 0 < B < 15, and  $\mu$  g is the mean gas viscosity of the gas stream in the port, and [the units of] a onset is equal to or less than approximately  $0.9 \text{ kg}^{1.6} / (m^{-2.6} \text{-sec}^{-1.6})$ .

Claims 15 - 18 (previously canceled).

19. (Canceled) The method of Claim 14 wherein the propellant is comprised of a mixture of one or more paraffin waxes, and carbon black at a concentration in the range of about 0.2 to 2.0 weight percent.

Claim 20 (previously canceled).

Claim 21 (previously canceled).

Claim 48 (previously canceled).

49. (Presently Amended) A method of combusting a propellant within a port having an exident flowing through the port, comprising the steps of:

flowing the an oxidant through the port; and combusting said propellant and oxidant where

the propellant is comprised of a mixture of one or more paraffin waxes having a mean carbon number in the range of 15 to 80 and, under the heat transfer from the oxidant flowing through the port, the propellant forms a liquid layer having a liquid viscosity of less than about 1 milliPa-sec, and a surface tension of less than about 25 milliN/m.